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BARR

March 16, 2012

Mr. Jason Gunter
Remedial Project Manager
U.S. Environmental Protection Agency
Region 7 - Superfund Branch
901 North 5th Street
Kansas City, KS 66101

Re: The Doe Run Company - Leadwood Mine Tailings Site Monthly Progress Report

Dear Mr. Gunter:

As required by Article VI, Section 50 of the Unilateral Administrative Order (Docket No. CERCLA-07-2006-0272) for the referenced project and on behalf of The Doe Run Company, the progress report for the period January 1, 2012 through January 31, 2012 is enclosed. If you have any questions or comments, please call me at 573-638-5020 or Mark Nations at 573-518-0800.

Sincerely,

Ty L. Morris, P.E., R.G.
Vice President

TLM/jms
Enclosures
c: Mark Nations – TDRC
Matt Wohl – TDRC (electronic only)
Kathy Rangen – MDNR
Tim Skoglund – Barr Engineering

RECEIVED
MAR 22 2012
SUPERFUND DIVISION

Leadwood Mine Tailings Site
Leadwood, Missouri
Removal Action - Monthly Progress Report
Period: January 1, 2012 – January 31, 2012

1. **Actions Performed or Completed This Period:**

   a. Work continued on the task of demobilizing earthmoving and ancillary equipment from the site. As of the end of the period, work on this task continued.

2. **Data and Results Received This Period:**

   a. During this period, water samples were collected from downstream of Leadwood Dam and the East Seep and Erosion Area, as well as from upstream and downstream of the confluence of Eaton Creek with Big River. The analytical results for this event are included with this progress report.

   b. During this period, the Ambient Air Monitoring Report for November 2011 and December 2011 were received. Any issues identified in these reports are discussed below. A copy of these documents has been sent to your attention.

      The November 2011 Ambient Air Monitoring Report noted the following:
      - The action levels for lead and dust were not exceeded.
      - No samples were taken with the TSP and PM_{10} monitors on 11/14/11 due to training.
      - No samples were taken with the TSP and PM_{10} monitors on 11/23/11, 11/24/11, 11/25/11, and 11/26/11 due to the holiday.
      - There was a QA blank filter associated with the Leadwood #2 (Office) TSP monitors and PM_{10} on 11/28/11.

      The December 2011 Ambient Air Monitoring Report noted the following:
      - The action levels for lead and dust were not exceeded.
      - No samples were taken with the Leadwood #2 (Office) TSP monitor on 12/15/11 due to mechanical failure. Upon discovery, the issue was corrected.
      - No samples were taken with the Big River #4 QA TSP monitor on 12/20/11 due to mechanical failure. Upon discovery, the issue was corrected.
      - No samples were taken with the Leadwood #3 (School) TSP monitor on 12/21/11 due to mechanical failure. Upon discovery, the issue was corrected.
      - No samples were taken with the TSP and PM_{10} monitors on 12/22/11, 12/23/11, 12/26/11, 12/29/11, and 12/30/11 due to the holiday.

3. **Scheduled Activities not Completed This Period:**

   a. None.

4. **Planned Activities for Next Period:**

   a. Continue vegetation maintenance activities. The use of biosolids will only be continued if a biosolids management plan has been submitted to and approved by EPA.

   b. It is anticipated that EPA will use this site as a soil repository in the future. Preparations for these activities will begin next period.

   c. Complete monthly water sampling activities as described in the Removal Action Work Plan.

   d. Complete air monitoring activities as described in the Removal Action Work Plan.

5. **Changes in Personnel:**

   a. None.

6. **Issues or Problems Arising This Period:**

   a. None.

7. **Resolution of Issues or Problems Arising This Period:**

   a. None.

End of Monthly Progress Report

February 01, 2012

Allison Olds
Barr Engineering Company
1001 Diamond Ridge
Suite 1100
Jefferson City, MO 65109
TEL: (573) 638-5007
FAX: (573) 638-5001

RE: Leadwood MTS-25/86-0013 **WorkOrder:** 12010900

Dear Allison Olds:

TEKLAB, INC received 5 samples on 1/25/2012 10:41:00 AM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com

Client: Barr Engineering Company
Client Project: Leadwood MTS-25/86-0013

Work Order: 12010900
Report Date: 01-Feb-12

This reporting package includes the following:

Client: Barr Engineering Company
Work Order: 12010900
Client Project: Leadwood MTS-25/86-0013
Report Date: 01-Feb-12

Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MB Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero and is determined from analysis of a sample in a given matrix type containing the analyte.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surr Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon
B - Analyte detected in associated Method Blank
E - Value above quantitation range
H - Holding times exceeded
M - Manual Integration used to determine area response
ND - Not Detected at the Reporting Limit
R - RPD outside accepted recovery limits
S - Spike Recovery outside recovery limits
X - Value exceeds Maximum Contaminant Level

Client: Barr Engineering Company
Client Project: Leadwood MTS-25/86-0013

Work Order: 12010900
Report Date: 01-Feb-12

Cooler Receipt Temp: 3.2 °C

Locations and Accreditations

Collinsville		Springfield		Kansas City	
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	Address	3920 Pintail Dr Springfield, IL 62711-9415	Address	8421 Nieman Road Lenexa, KS 66214
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998
Email	jhriley@teklabinc.com	Email	kmcclain@teklabinc.com	Email	dthompson@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2013	Collinsville
Kansas	KDHE	E-10374	NELAP	1/31/2013	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2012	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2012	Springfield
Arkansas	ADEQ	88-0966		3/14/2012	Collinsville
Illinois	IDPH	17584		4/30/2012	Collinsville
Kentucky	UST	0073		5/26/2012	Collinsville
Missouri	MDNR	00930		4/13/2013	Collinsville
Oklahoma	ODEQ	9978		8/31/2012	Collinsville

Client: Barr Engineering Company
Work Order: 12010900
Client Project: Leadwood MTS-25/86-0013
Report Date: 01-Feb-12
Lab ID: 12010900-001
Client Sample ID: LW-001
Matrix: AQUEOUS
Collection Date: 01/24/2012 8:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 375.2 REV 2.0 1993 (TOTAL)								
Sulfate	NELAP	150		**453**	mg/L	2	01/27/2012 19:07	R159326
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**7.83**		1	01/26/2012 13:51	R159192
STANDARD METHODS 18TH ED. 2340 C								
Hardness, as (CaCO3)	NELAP	5		**720**	mg/L	1	01/25/2012 14:50	R159170
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		**< 6**	mg/L	1	01/27/2012 9:05	R159247
STANDARD METHODS 18TH ED. 2540 F								
Solids, Settleable	NELAP	0.1		**< 0.1**	ml/L	1	01/25/2012 12:53	R159156
STANDARD METHODS 18TH ED. 5310 C, ORGANIC CARBON								
Total Organic Carbon (TOC)	NELAP	1.0		**1.5**	mg/L	1	01/26/2012 16:39	R159214
EPA 600 4.1.1, 200.7R4.4, METALS BY ICP (DISSOLVED)								
Cadmium	NELAP	2.00		**4.70**	µg/L	1	01/27/2012 13:52	74624
Zinc	NELAP	10.0		**4090**	µg/L	1	01/26/2012 21:33	74624
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Cadmium	NELAP	2.00		**5.10**	µg/L	1	01/26/2012 11:35	74597
Zinc	NELAP	10.0		**5380**	µg/L	1	01/26/2012 11:35	74597
STANDARD METHODS 18TH ED. 3030 B, 3113 B, METALS BY GFAA (DISSOLVED)								
Lead	NELAP	2.00		**2.05**	µg/L	1	01/26/2012 11:32	74611
STANDARD METHODS 18TH ED. 3030 E, 3113 B, METALS BY GFAA								
Lead	NELAP	2.00		**3.98**	µg/L	1	01/26/2012 8:10	74600

Client: Barr Engineering Company
Work Order: 12010900
Client Project: Leadwood MTS-25/86-0013
Report Date: 01-Feb-12
Lab ID: 12010900-002
Client Sample ID: LW-002
Matrix: AQUEOUS
Collection Date: 01/24/2012 9:10

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 375.2 REV 2.0 1993 (TOTAL)								
Sulfate	NELAP	150		**487**	mg/L	2	01/27/2012 19:09	R159326
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**7.82**		1	01/26/2012 13:52	R159192
STANDARD METHODS 18TH ED. 2340 C								
Hardness, as (CaCO3)	NELAP	5		**740**	mg/L	1	01/25/2012 14:50	R159170
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		**< 6**	mg/L	1	01/27/2012 9:05	R159247
STANDARD METHODS 18TH ED. 2540 F								
Solids, Settleable	NELAP	0.1		**< 0.1**	ml/L	1	01/25/2012 12:53	R159156
STANDARD METHODS 18TH ED. 5310 C, ORGANIC CARBON								
Total Organic Carbon (TOC)	NELAP	1.0		**1.3**	mg/L	1	01/26/2012 16:46	R159214
EPA 600 4.1.1, 200.7R4.4, METALS BY ICP (DISSOLVED)								
Cadmium	NELAP	2.00		**3.40**	µg/L	1	01/27/2012 13:57	74624
Zinc	NELAP	10.0	S	**5870**	µg/L	1	01/27/2012 13:57	74624
Zn - Sample concentration was greater than 5 times the spike concentration.								
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Cadmium	NELAP	2.00		**4.50**	µg/L	1	01/26/2012 12:08	74597
Zinc	NELAP	10.0		**6130**	µg/L	1	01/26/2012 12:08	74597
STANDARD METHODS 18TH ED. 3030 B, 3113 B, METALS BY GFAA (DISSOLVED)								
Lead	NELAP	2.00	X	**13.8**	µg/L	1	01/26/2012 11:42	74611
STANDARD METHODS 18TH ED. 3030 E, 3113 B, METALS BY GFAA								
Lead	NELAP	2.00	X	**27.0**	µg/L	1	01/26/2012 8:13	74600

Client: Barr Engineering Company
Work Order: 12010900
Client Project: Leadwood MTS-25/86-0013
Report Date: 01-Feb-12
Lab ID: 12010900-003
Client Sample ID: LW-Dup
Matrix: AQUEOUS
Collection Date: 01/24/2012 9:25

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 375.2 REV 2.0 1993 (TOTAL)								
Sulfate	NELAP	200		**470**	mg/L	20	01/30/2012 19:41	R159331
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**7.96**		1	01/26/2012 13:54	R159192
STANDARD METHODS 18TH ED. 2340 C								
Hardness, as (CaCO3)	NELAP	*5*		**760**	*mg/L*	1	01/25/2012 14:50	R159170
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		**< 6**	mg/L	1	01/27/2012 9:05	R159247
STANDARD METHODS 18TH ED. 2540 F								
Solids, Settleable	NELAP	0.1		**< 0.1**	ml/L	1	01/25/2012 12:53	R159156
STANDARD METHODS 18TH ED. 5310 C, ORGANIC CARBON								
Total Organic Carbon (TOC)	NELAP	1.0		**1.3**	mg/L	1	01/26/2012 16:53	R159214
EPA 600 4.1.1, 200.7R4.4, METALS BY ICP (DISSOLVED)								
Cadmium	NELAP	2.00		**3.30**	µg/L	1	01/27/2012 15:39	74624
Zinc	NELAP	10.0		**5160**	µg/L	1	01/26/2012 21:57	74624
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Cadmium	NELAP	2.00		**4.20**	µg/L	1	01/26/2012 12:14	74597
Zinc	NELAP	10.0		**6040**	µg/L	1	01/26/2012 12:14	74597
STANDARD METHODS 18TH ED. 3030 B, 3113 B, METALS BY GFAA (DISSOLVED)								
Lead	NELAP	2.00	X	**12.9**	µg/L	1	01/26/2012 11:45	74611
STANDARD METHODS 18TH ED. 3030 E, 3113 B, METALS BY GFAA								
Lead	NELAP	2.00	X	**27.2**	µg/L	1	01/26/2012 8:32	74600

Client: Barr Engineering Company
Work Order: 12010900
Client Project: Leadwood MTS-25/86-0013
Report Date: 01-Feb-12
Lab ID: 12010900-004
Client Sample ID: LW-DS
Matrix: AQUEOUS
Collection Date: 01/24/2012 9:45

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 375.2 REV 2.0 1993 (TOTAL)								
Sulfate	NELAP	20		**34**	mg/L	2	01/30/2012 19:44	R159331
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**8.05**		1	01/26/2012 13:57	R159192
STANDARD METHODS 18TH ED. 2340 C								
Hardness, as (CaCO3)	NELAP	5		**260**	mg/L	1	01/25/2012 14:50	R159170
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		**< 6**	mg/L	1	01/27/2012 9:18	R159247
STANDARD METHODS 18TH ED. 5310 C, ORGANIC CARBON								
Total Organic Carbon (TOC)	NELAP	1.0		**1.2**	mg/L	1	01/26/2012 16:59	R159214
EPA 600 4.1.1, 200.7R4.4, METALS BY ICP (DISSOLVED)								
Cadmium	NELAP	2.00		**< 2.00**	µg/L	1	01/27/2012 15:45	74624
Zinc	NELAP	10.0		**29.5**	µg/L	1	01/26/2012 22:03	74624
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Cadmium	NELAP	2.00		**< 2.00**	µg/L	1	01/26/2012 12:19	74597
Zinc	NELAP	10.0		**34.2**	µg/L	1	01/26/2012 12:19	74597
STANDARD METHODS 18TH ED. 3030 B, 3113 B, METALS BY GFAA (DISSOLVED)								
Lead	NELAP	2.00		**< 2.00**	µg/L	1	01/26/2012 11:49	74611
STANDARD METHODS 18TH ED. 3030 E, 3113 B, METALS BY GFAA								
Lead	NELAP	2.00		**< 2.00**	µg/L	1	01/26/2012 8:35	74600

Client: Barr Engineering Company
Work Order: 12010900
Client Project: Leadwood MTS-25/86-0013
Report Date: 01-Feb-12
Lab ID: 12010900-005
Client Sample ID: LW-US
Matrix: AQUEOUS
Collection Date: 01/24/2012 7:30

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
EPA 600 375.2 REV 2.0 1993 (TOTAL)								
Sulfate	NELAP	20		**22**	mg/L	2	01/30/2012 19:49	R159331
STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED								
Lab pH	NELAP	1.00		**8.10**		1	01/26/2012 13:59	R159192
STANDARD METHODS 18TH ED. 2340 C								
Hardness, as (CaCO3)	NELAP	5		**220**	mg/L	1	01/25/2012 14:50	R159170
STANDARD METHODS 18TH ED. 2540 D								
Total Suspended Solids	NELAP	6		**< 6**	mg/L	1	01/27/2012 9:18	R159247
STANDARD METHODS 18TH ED. 5310 C, ORGANIC CARBON								
Total Organic Carbon (TOC)	NELAP	1.0		**1.3**	mg/L	1	01/26/2012 17:37	R159214
EPA 600 4.1.1, 200.7R4.4, METALS BY ICP (DISSOLVED)								
Cadmium	NELAP	2.00		**< 2.00**	µg/L	1	01/27/2012 15:51	74624
Zinc	NELAP	10.0		**< 10.0**	µg/L	1	01/26/2012 22:08	74624
EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)								
Cadmium	NELAP	2.00		**< 2.00**	µg/L	1	01/26/2012 12:25	74597
Zinc	NELAP	10.0		**< 10.0**	µg/L	1	01/26/2012 12:25	74597
STANDARD METHODS 18TH ED. 3030 B, 3113 B, METALS BY GFAA (DISSOLVED)								
Lead	NELAP	2.00		**< 2.00**	µg/L	1	01/26/2012 11:52	74611
STANDARD METHODS 18TH ED. 3030 E, 3113 B, METALS BY GFAA								
Lead	NELAP	2.00		**< 2.00**	µg/L	1	01/26/2012 8:45	74600

Client: Barr Engineering Company
Work Order: 12010900
Client Project: Leadwood MTS-25/86-0013
Report Date: 01-Feb-12

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
12010900-001	LW-001	Aqueous	5	01/24/2012 8:00
12010900-002	LW-002	Aqueous	5	01/24/2012 9:10
12010900-003	LW-Dup	Aqueous	5	01/24/2012 9:25
12010900-004	LW-DS	Aqueous	5	01/24/2012 9:45
12010900-005	LW-US	Aqueous	5	01/24/2012 7:30

Client: Barr Engineering Company
Client Project: Leadwood MTS-25/86-0013

Work Order: 12010900
Report Date: 01-Feb-12

Sample ID	Client Sample ID / Test Name	Collection Date	Received Date / Prep Date/Time	Analysis Date/Time
12010900-001A	LW-001	01/24/2012 8:00	1/25/2012 10:41:00 AM	
	Standard Methods 18th Ed. 2540 F			01/25/2012 12:53
12010900-001B	LW-001	01/24/2012 8:00	1/25/2012 10:41:00 AM	
	EPA 600 375.2 Rev 2.0 1993 (Total)			01/27/2012 19:07
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			01/26/2012 13:51
	Standard Methods 18th Ed. 2340 C			01/25/2012 14:50
	Standard Methods 18th Ed. 2540 D			01/27/2012 9:05
12010900-001C	LW-001	01/24/2012 8:00	1/25/2012 10:41:00 AM	
	EPA 600 4.1.4, 200.7R4.4, Metals by ICP (Total)		01/25/2012 14:25	01/26/2012 11:35
	Standard Methods 18th Ed. 3030 E, 3113 B, Metals by GFAA		01/25/2012 15:37	01/26/2012 8:10
12010900-001D	LW-001	01/24/2012 8:00	1/25/2012 10:41:00 AM	
	EPA 600 4.1.1, 200.7R4.4, Metals by ICP (Dissolved)		01/26/2012 10:54	01/26/2012 21:33
	EPA 600 4.1.1, 200.7R4.4, Metals by ICP (Dissolved)		01/26/2012 10:54	01/27/2012 13:52
	Standard Methods 18th Ed. 3030 B, 3113 B, Metals by GFAA (Dissolved)		01/26/2012 7:53	01/26/2012 11:32
12010900-001E	LW-001	01/24/2012 8:00	1/25/2012 10:41:00 AM	
	Standard Methods 18th Ed. 5310 C, Organic Carbon			01/26/2012 16:39
12010900-002A	LW-002	01/24/2012 9:10	1/25/2012 10:41:00 AM	
	Standard Methods 18th Ed. 2540 F			01/25/2012 12:53
12010900-002B	LW-002	01/24/2012 9:10	1/25/2012 10:41:00 AM	
	EPA 600 375.2 Rev 2.0 1993 (Total)			01/27/2012 19:09
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			01/26/2012 13:52
	Standard Methods 18th Ed. 2340 C			01/25/2012 14:50
	Standard Methods 18th Ed. 2540 D			01/27/2012 9:05
12010900-002C	LW-002	01/24/2012 9:10	1/25/2012 10:41:00 AM	
	EPA 600 4.1.4, 200.7R4.4, Metals by ICP (Total)		01/25/2012 14:25	01/26/2012 12:08
	Standard Methods 18th Ed. 3030 E, 3113 B, Metals by GFAA		01/25/2012 15:37	01/26/2012 8:13
12010900-002D	LW-002	01/24/2012 9:10	1/25/2012 10:41:00 AM	
	EPA 600 4.1.1, 200.7R4.4, Metals by ICP (Dissolved)		01/26/2012 10:54	01/27/2012 13:57
	Standard Methods 18th Ed. 3030 B, 3113 B, Metals by GFAA (Dissolved)		01/26/2012 7:53	01/26/2012 11:42
12010900-002E	LW-002	01/24/2012 9:10	1/25/2012 10:41:00 AM	
	Standard Methods 18th Ed. 5310 C, Organic Carbon			01/26/2012 16:46
12010900-003A	LW-Dup	01/24/2012 9:25	1/25/2012 10:41:00 AM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			01/26/2012 13:54
	Standard Methods 18th Ed. 2540 D			01/27/2012 9:05
	Standard Methods 18th Ed. 2540 F			01/25/2012 12:53
12010900-003B	LW-Dup	01/24/2012 9:25	1/25/2012 10:41:00 AM	

Client: Barr Engineering Company
Client Project: Leadwood MTS-25/86-0013

Work Order: 12010900
Report Date: 01-Feb-12

Sample ID	Client Sample ID / Test Name	Collection Date	Received Date / Prep Date/Time	Analysis Date/Time
	EPA 600 375.2 Rev 2.0 1993 (Total)			01/30/2012 19:41
	Standard Methods 18th Ed. 2340 C			01/25/2012 14:50
12010900-003C	LW-Dup	01/24/2012 9:25	1/25/2012 10:41:00 AM	
	EPA 600 4.1.4, 200.7R4.4, Metals by ICP (Total)		01/25/2012 14:25	01/26/2012 12:14
	Standard Methods 18th Ed. 3030 E, 3113 B, Metals by GFAA		01/25/2012 15:37	01/26/2012 8:32
12010900-003D	LW-Dup	01/24/2012 9:25	1/25/2012 10:41:00 AM	
	EPA 600 4.1.1, 200.7R4.4, Metals by ICP (Dissolved)		01/26/2012 10:54	01/26/2012 21:57
	EPA 600 4.1.1, 200.7R4.4, Metals by ICP (Dissolved)		01/26/2012 10:54	01/27/2012 15:39
	Standard Methods 18th Ed. 3030 B, 3113 B, Metals by GFAA (Dissolved)		01/26/2012 7:53	01/26/2012 11:45
12010900-003E	LW-Dup	01/24/2012 9:25	1/25/2012 10:41:00 AM	
	Standard Methods 18th Ed. 5310 C, Organic Carbon			01/26/2012 16:53
12010900-004A	LW-DS	01/24/2012 9:45	1/25/2012 10:41:00 AM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			01/26/2012 13:57
	Standard Methods 18th Ed. 2540 D			01/27/2012 9:18
12010900-004B	LW-DS	01/24/2012 9:45	1/25/2012 10:41:00 AM	
	EPA 600 375.2 Rev 2.0 1993 (Total)			01/30/2012 19:44
	Standard Methods 18th Ed. 2340 C			01/25/2012 14:50
12010900-004C	LW-DS	01/24/2012 9:45	1/25/2012 10:41:00 AM	
	EPA 600 4.1.4, 200.7R4.4, Metals by ICP (Total)		01/25/2012 14:25	01/26/2012 12:19
	Standard Methods 18th Ed. 3030 E, 3113 B, Metals by GFAA		01/25/2012 15:37	01/26/2012 8:35
12010900-004D	LW-DS	01/24/2012 9:45	1/25/2012 10:41:00 AM	
	EPA 600 4.1.1, 200.7R4.4, Metals by ICP (Dissolved)		01/26/2012 10:54	01/26/2012 22:03
	EPA 600 4.1.1, 200.7R4.4, Metals by ICP (Dissolved)		01/26/2012 10:54	01/27/2012 15:45
	Standard Methods 18th Ed. 3030 B, 3113 B, Metals by GFAA (Dissolved)		01/26/2012 7:53	01/26/2012 11:49
12010900-004E	LW-DS	01/24/2012 9:45	1/25/2012 10:41:00 AM	
	Standard Methods 18th Ed. 5310 C, Organic Carbon			01/26/2012 16:59
12010900-005A	LW-US	01/24/2012 7:30	1/25/2012 10:41:00 AM	
	Standard Method 18th Ed. 4500-H B, Laboratory Analyzed			01/26/2012 13:59
	Standard Methods 18th Ed. 2540 D			01/27/2012 9:18
12010900-005B	LW-US	01/24/2012 7:30	1/25/2012 10:41:00 AM	
	EPA 600 375.2 Rev 2.0 1993 (Total)			01/30/2012 19:49
	Standard Methods 18th Ed. 2340 C			01/25/2012 14:50
12010900-005C	LW-US	01/24/2012 7:30	1/25/2012 10:41:00 AM	
	EPA 600 4.1.4, 200.7R4.4, Metals by ICP (Total)		01/25/2012 14:25	01/26/2012 12:25
	Standard Methods 18th Ed. 3030 E, 3113 B, Metals by GFAA		01/25/2012 15:37	01/26/2012 8:45
12010900-005D	LW-US	01/24/2012 7:30	1/25/2012 10:41:00 AM	

Client: Barr Engineering Company
Client Project: Leadwood MTS-25/86-0013

Work Order: 12010900
Report Date: 01-Feb-12

Sample ID	Client Sample ID	Collection Date	Received Date	
	Test Name		Prep Date/Time	Analysis Date/Time
	EPA 600 4.1.1, 200.7R4.4, Metals by ICP (Dissolved)		01/26/2012 10:54	01/26/2012 22:08
	EPA 600 4.1.1, 200.7R4.4, Metals by ICP (Dissolved)		01/26/2012 10:54	01/27/2012 15:51
	Standard Methods 18th Ed. 3030 B, 3113 B, Metals by GFAA (Dissolved)		01/26/2012 7:53	01/26/2012 11:52
12010900-005E	LW-US	01/24/2012 7:30	1/25/2012 10:41:00 AM	
	Standard Methods 18th Ed. 5310 C, Organic Carbon			01/26/2012 17:37

Client: Barr Engineering Company
Client Project: Leadwood MTS-25/86-0013

Work Order: 12010900
Report Date: 01-Feb-12

EPA 600 375.2 REV 2.0 1993 (TOTAL)

Batch R159326 **SampType:** MBLK Units mg/L
SampID: ICB/MBLK

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	75		< 75						01/27/2012

Batch R159326 **SampType:** MBLK Units mg/L
SampID: MBLK DI

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	75		< 75						01/27/2012

Batch R159326 **SampType:** LCS Units mg/L
SampID: ICV/LCS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	75		146	150	0	97.4	90	110	01/27/2012

Batch R159331 **SampType:** MBLK Units mg/L
SampID: ICB/MBLK

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	10		< 10						01/30/2012

Batch R159331 **SampType:** LCS Units mg/L
SampID: ICV/LCS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	10		19	20	0	97.4	90	110	01/30/2012

Batch R159331 **SampType:** MS Units mg/L
SampID: 12010900-005B MS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Sulfate	20		40	20	21.78	91.9	85	115	01/30/2012

Batch R159331 **SampType:** MSD Units mg/L RPD Limit 10
SampID: 12010900-005B MSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Sulfate	20		41	20	21.78	96.1	40.16	2.07	01/30/2012

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R159192 **SampType:** LCS Units
SampID: LCS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lab pH	1.00		7.02	7.00	0	100.3	99.1	100.8	01/26/2012

Client: Barr Engineering Company
Client Project: Leadwood MTS-25/86-0013

Work Order: 12010900
Report Date: 01-Feb-12

STANDARD METHOD 18TH ED. 4500-H B, LABORATORY ANALYZED

Batch R159192 **SampType:** DUP Units RPD Limit 10
SampID: 12010900-001BDUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lab pH	1.00		**7.86**				7.830	0.38	01/26/2012

Batch R159192 **SampType:** DUP Units RPD Limit 10
SampID: 12010900-002BDUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lab pH	1.00		**7.83**				7.820	0.13	01/26/2012

Batch R159192 **SampType:** DUP Units RPD Limit 10
SampID: 12010900-003ADUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lab pH	1.00		**7.96**				7.960	0.00	01/26/2012

Batch R159192 **SampType:** DUP Units RPD Limit 10
SampID: 12010900-004ADUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lab pH	1.00		**8.03**				8.050	0.25	01/26/2012

Batch R159192 **SampType:** DUP Units RPD Limit 10
SampID: 12010900-005ADUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lab pH	1.00		**8.09**				8.100	0.12	01/26/2012

STANDARD METHODS 18TH ED. 2340 C

Batch R159170 **SampType:** MBLK Units mg/L
SampID: MB-R159170

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hardness, as (CaCO3)	5		**< 5**						01/25/2012

Batch R159170 **SampType:** LCS Units mg/L
SampID: LCS-R159170

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hardness, as (CaCO3)	5		**1000**	1000	0	100.0	90	110	01/25/2012

Batch R159170 **SampType:** MS Units mg/L
SampID: 12010900-004BMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Hardness, as (CaCO3)	5		**660**	400	260.0	100.0	85	115	01/25/2012

Client: Barr Engineering Company

Work Order: 12010900

Client Project: Leadwood MTS-25/86-0013

Report Date: 01-Feb-12

STANDARD METHODS 18TH ED. 2340 C

Batch R159170 **SampType:** MSD Units mg/L RPD Limit 10

SampID: 12010900-004BMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Hardness, as (CaCO3)	5		660	400	260.0	100.0	660.0	0.00	01/25/2012

STANDARD METHODS 18TH ED. 2540 D

Batch R159247 **SampType:** MBLK Units mg/L

SampID: MBLK

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6.00		< 6.00						01/27/2012
Total Suspended Solids	6		< 6						01/27/2012

Batch R159247 **SampType:** LCS Units mg/L

SampID: LCS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Suspended Solids	6		90	100	0	90.0	85	115	01/27/2012
Total Suspended Solids	6		108	100	0	108.0	85	115	01/27/2012
Total Suspended Solids	6		100	100	0	100.0	85	115	01/27/2012
Total Suspended Solids	6		105	100	0	105.0	85	115	01/27/2012
Total Suspended Solids	6		96	100	0	96.0	85	115	01/27/2012
Total Suspended Solids	6		96	100	0	96.0	85	115	01/27/2012
Total Suspended Solids	6		98	100	0	98.0	85	115	01/27/2012

Batch R159247 **SampType:** DUP Units mg/L RPD Limit 15

SampID: 12010900-003A DUP

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Suspended Solids	6		< 6				0	0.00	01/27/2012

STANDARD METHODS 18TH ED. 5310 C, ORGANIC CARBON

Batch R159214 **SampType:** MBLK Units mg/L

SampID: ICB/MBLK

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)	1.0		< 1.0						01/26/2012

Batch R159214 **SampType:** LCS Units mg/L

SampID: ICV/LCS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)	5.0		49.0	48.2	0	101.7	89.6	109.5	01/26/2012

Batch R159214 **SampType:** MS Units mg/L

SampID: 12010900-005EMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Total Organic Carbon (TOC)	1.0		5.9	5.0	1.270	92.2	80	120	01/26/2012

Client: Barr Engineering Company
Work Order: 12010900
Client Project: Leadwood MTS-25/86-0013
Report Date: 01-Feb-12

STANDARD METHODS 18TH ED. 5310 C, ORGANIC CARBON

Batch R159214 **SampType:** MSD Units mg/L RPD Limit 15
SampID: 12010900-005EMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Total Organic Carbon (TOC)	1.0		**6.1**	5.0	1.270	97.0	5.880	4.00	01/26/2012

EPA 600 4.1.1, 200.7R4.4, METALS BY ICP (DISSOLVED)

Batch 74624 **SampType:** MBLK Units µg/L
SampID: MB-74624

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	2.00		**< 2.00**	2.00	0	0	-100	100	01/27/2012
Zinc	10.0		**< 10.0**	10.0	0	0	-100	100	01/26/2012

Batch 74624 **SampType:** LCS Units µg/L
SampID: LCS-74624

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	2.00		**47.9**	50.0	0	95.8	85	115	01/27/2012
Zinc	10.0		**436**	500	0	87.2	85	115	01/26/2012

Batch 74624 **SampType:** MS Units µg/L
SampID: 12010900-002DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	2.00		**49.5**	50.0	3.4	92.2	75	125	01/27/2012
Zinc	10.0	S	**6230**	500	5870	72.2	75	125	01/27/2012

Batch 74624 **SampType:** MSD Units µg/L RPD Limit 20
SampID: 12010900-002DMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cadmium	2.00		**49.2**	50.0	3.4	91.6	49.5	0.61	01/27/2012
Zinc	10.0	S	**6180**	500	5870	62.6	6231	0.77	01/27/2012

EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)

Batch 74597 **SampType:** MBLK Units µg/L
SampID: MB-74597

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	2.00		**< 2.00**	2.00	0	0	-100	100	01/26/2012
Zinc	10.0		**< 10.0**	10.0	0	0	-100	100	01/26/2012

Batch 74597 **SampType:** LCS Units µg/L
SampID: LCS-74597

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	2.00		**50.0**	50.0	0	100.0	85	115	01/26/2012
Zinc	10.0		**542**	500	0	108.3	85	115	01/26/2012

Client: Barr Engineering Company

Work Order: 12010900

Client Project: Leadwood MTS-25/86-0013

Report Date: 01-Feb-12

EPA 600 4.1.4, 200.7R4.4, METALS BY ICP (TOTAL)

Batch 74597 **SampType:** MS Units µg/L

SampID: 12010900-001CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Cadmium	2.00		**51.8**	50.0	5.1	93.4	75	125	01/26/2012
Zinc	10.0		**5770**	500	5377	79.0	75	125	01/26/2012

Batch 74597 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 12010900-001CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Cadmium	2.00		**52.1**	50.0	5.1	94.0	51.8	0.58	01/26/2012
Zinc	10.0		**5850**	500	5377	95.0	5772	1.38	01/26/2012

STANDARD METHODS 18TH ED. 3030 B, 3113 B, METALS BY GFAA (DISSOLVED)

Batch 74611 **SampType:** MBLK Units µg/L

SampID: MB-74611

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	2.00		**< 2.00**	2.00	0	0	-100	100	01/26/2012

Batch 74611 **SampType:** LCS Units µg/L

SampID: LCS-74611

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	2.00		**15.5**	15.0	0	103.2	85	115	01/27/2012

Batch 74611 **SampType:** MS Units µg/L

SampID: 12010900-001DMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	2.00		**13.8**	15.0	2.0461	78.5	70	130	01/26/2012

Batch 74611 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 12010900-001DMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	2.00		**13.4**	15.0	2.0461	75.7	13.8153	3.06	01/26/2012

STANDARD METHODS 18TH ED. 3030 E, 3113 B, METALS BY GFAA

Batch 74600 **SampType:** MBLK Units µg/L

SampID: MB-74600

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	2.00		**< 2.00**	2.00	0	0	-100	100	01/26/2012

Batch 74600 **SampType:** LCS Units µg/L

SampID: LCS-74600

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	2.00		**13.0**	15.0	0	86.5	85	115	01/26/2012

Client: Barr Engineering Company
Client Project: Leadwood MTS-25/86-0013

Work Order: 12010900
Report Date: 01-Feb-12

STANDARD METHODS 18TH ED. 3030 E, 3113 B, METALS BY GFAA

Batch 74600 **SampType:** MS Units µg/L

SampID: 12010900-002CMS

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Lead	4.00		**44.2**	15.0	26.9757	114.8	70	130	01/26/2012

Batch 74600 **SampType:** MSD Units µg/L RPD Limit **20**

SampID: 12010900-002CMSD

Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	Date Analyzed
Lead	4.00		**40.4**	15.0	26.9757	89.4	44.1968	9.00	01/26/2012

Teklab, Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Barr Engineering Company
Client Project: Leadwood MTS-25/86-0013

Work Order: 12010900
Report Date: 01-Feb-12

Carrier: Rick Schmidt

Received By: SRH

Completed by: Heather L. Riley
On: 25-Jan-12

Reviewed by: Michael L. Austin
On: 25-Jan-12

Pages to follow: Chain of custody [1] Extra pages included [0]

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐		Temp °C	3.2	
Type of thermal preservation?	None ☐	Ice ☑	Blue Ice ☐		Dry Ice	☐	
Chain of custody present?	Yes ☑	No ☐					
Chain of custody signed when relinquished and received?	Yes ☑	No ☐					
Chain of custody agrees with sample labels?	Yes ☑	No ☐					
Samples in proper container/bottle?	Yes ☑	No ☐					
Sample containers intact?	Yes ☑	No ☐					
Sufficient sample volume for indicated test?	Yes ☑	No ☐					
All samples received within holding time?	Yes ☑	No ☐					
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑				
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐					
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.							
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑				
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑				
Water - pH acceptable upon receipt?	Yes ☑	No ☐					

Any No responses must be detailed below or on the COC.

Custody seal intact upon courier pick up. RLS 1/26/12

Reset Form

Teklab Chain of Custody

Pg. 1 of 1 Workorder 1201090

5445 Horseshoe Lake Road ~ Collinsville, IL 62234 ~ Phone: (618)344-1004 ~ Fax:(618)344-1005

Barr Engineering Co.

1001 Diamond Ridge, Suite 1100

Jefferson City | MO | 65109

Leadwood MTS - 25/86-0013

Are the samples chilled? (●) Yes ( ) No with: (●) Ice ( ) Blue Ice

Preserved in (●) Lab ( ) Field

Cooler Temp 3.2 Sampler Chris Schulte

Teklab, Inc. Courier Pick Up

Comments: Invoice to Mark Nations. Results to Allison Olds and Mark Nations, mnations@doerun.com
Matrix is surface water.
Metals = Cd, Pb, Zn
Custody Seal intact upon pick up RS 1-25-12

Contact Allison Olds eMail aolds@barr.com Phone 573-638-5007 Requested Due Date Standard Billing/PO Per contract with Doe Run

Lab Use	Sample ID	Sample Date/Time	Preservative	Matrix	pH	T.S.S.	Sulfate	Settleable Solids	T.O.C.	Total Metals	Dissolved Metals	Hardness				
1201090-001	LW-001	1/24/12 7:00	Unpres 5	Aqueous	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
-002	LW-002	9:10	Unpres 5	Aqueous	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
-003	LW-Dup	9:25	Unpres 5	Aqueous	☒	☒	☒	☒	☒	☒	☒	☒	☐	☐	☐	☐
-004	LW-DS	9:45	Unpres 5	Aqueous	☒	☒	☒	☐	☒	☒	☒	☒	☐	☐	☐	☐
-005	LW-US	7:30	Unpres 5	Aqueous	☒	☒	☒	☐	☒	☒	☒	☒	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐
			Unpres	Aqueous	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐

Relinquished By*	Date/Time	Received By	Date/Time
Barr	1/24/12 15:00	Rick Schmidt	1-25-12 09:15
R. Schulte	1-25-12 10:41	Stephanie Hayes	1-25-12 10:41

* The individual signing this agreement on behalf of client acknowledges that they have read and understand the terms of this agreement and that they have the authority to sign on behalf of client.